

Described from a single specimen of the larva, numerous specimens of the pupae and adult females, and a single specimen of the adult male. Types have been deposited in the collection of the Massachusetts agricultural college.

A hymenopterous parasite which I bred from a pupa of this species was determined by Mr. W. H. Ashmead, of the U. S. national museum, as a male of an *Encarsia*, without much doubt the male of *Encarsia luteola* Howard; but as *luteola* was described from a female it was impossible to give the specific determination positively.

THE HEMIPTERA DESCRIBED BY PHILIP REESE UHLER. II.

BY SAMUEL HENSHAW, CAMBRIDGE, MASS.

CAPSIDAE.

DIAPHNIDIA, 46-43

debilis, 46-43 Col.: Steamboat Springs.

pellucida, 46-44. Col.: Ft. Collins; [Can.]: Quebec, near Montmorency;
D. C.: near Washington.

DICYPHUS

lautus, 47-267 Japan.

minimus, 50-59 Fla.

separatus, 43-194 Mass.: Camb.; to Fla. and Tex.; Cal.; Grenada.

vestitus, 46-46 Col.: Fort Collins, Montrose; [Cal.]: Los Angeles;
Dak.; N. N. Y.

DIOMMATUS, 26-32

angulatus, 46-44 Col.: Ft. Collins, Montrose.

congrex, 26-33 E. Mass.; Me.; Can.; Ill.; N. Y.: Lancaster.

ECCRITOTARSUS

elegans, 28-149 C. Tex.; Kans.: Riley Co.; Ill.; Cal.: Los Angeles.

scabrosus, 46-40 Col.: Estes Park.

ECTOPIOCERUS, 33-73

anthracinus, 33-74 Cal.: Santa Clara, near San Francisco.

EUCEROCORIS

guttulatus, 28-150 Md.: E. shore Chesapeake bay to hills of Frederick
Co.; Tex.; W. Ill.

FULVIUS

lunulatus, 43-192 Grenada.

FUNDANIUS

rubens, 41-714 St. Vincent.

GLOBICEPS

angustata, 46-42 Col.: Steamboat Springs.

HADRODEMA

pulverulenta, 38-183 Ut.: near Ut. lake; Mass.: Cape Ann to S. of Boston; Ct.: near New Haven and Hartford; E. C. and W. N. Y.; N. J.: near Newark and Egg Harbor City; Pa.: near Phil., York Co.; Ill.: Galesburg, Rock Island, near Evanston; Wis.; Kans.; Col.; Md.; Va.; Geo.; N. C.; Tex.; D. C.: near Washington.

HADRONEMA, 13-412

decorata, 44-251 L. Cal.: San Luis, Calmalli mines, San José de Gracias.
 militaris, 13-412 Col.; Ut.: Ogden; Cal.; (Wy.): Cheyenne.
 picta, 46-31 Col.: Col. Springs, W. of Denver; Dak.
 princeps, 44-251 Cal.; Or.; Wash.
 robusta, 44-250 L. Cal.: San José del Cabo; Cal.: Crystal Springs, Los Angeles, San Bernardino.¹

HEIDEMANNIA, 34-119

cixiiformis, 34-121, fig. 7 D. C.: near Washington; Md.: Oakland; W. Va.: near Ft. Pendleton.

HOPLOMACHUS

consors, 40-264 Cal.: Argus mts., vic. Los Angeles.

IDOLOCORIS

agilis, 17-425 pl. 28, f. 17 [Col.]: Beaver Brook gulch.
 famelicus, 18-413 N. H.

ILNACORA

chloris, 17-419 (Sthenarops) Col.: Manitou Park, vic. Col. Springs.
 viridis, 46-41 Col.: Steamboat Springs.

LABOPIDEA, 17-415

chloriza, 17-416 Ut.: Amer. Fork Canon.

LABOPS

hesperius, 13-416 Col.; Mont.; B. Amer.: vic. Lake Winnepeg and Great Bear lake.

LEPTOPTERNA

amoena, 13-409 Id.: vic. Snake river; Dak.

LOPIDEA, 13-411

marginata, 44-249 L. Cal.: San Julio; Cal.; Ariz.; Col.; E. U. S.

¹ *Halticus minutus* Uhler ms. is figured by Popenoe, Ann. rept. exper. station Kans. state agric. college for 1889, 1890, pl. 9 f. 10-12. The name is preoccupied and *uhleri* is proposed for the species by Giard C. R. soc. biol., 1892, vol. 44, p. 81.

LOPIDEA

- nigridia, 46-30 Col.: Estes Park, Steamboat Springs; N. Mex.; Ariz.
 robiniae, 5-24 (Capsus) Md. = media Say (1831).

LOPUS

- militaris, 43-190 Grenada.

LYGUS

- annexus, 13-413 Col.
 guttatipes, 46-35 Col.: Manitou.
 monachus, 23-208; 24-63 Mass.: Peabody, Cape Ann; Mo.; N. H.:
 White mts.; Can.: near Quebec; Ill.: near Normal.
 obtusus, 41-713 St. Vincent.
 plagiatus, 46-35 Col.: Manitou; Ind.; Neb.; Wash.; Mackenzie river
 region; [Can.]: Quebec; Me.
 simplus, 47-266 Japan.
 vividus, 44-260 L. Cal.: Comondu; S. Cal.

MACROCOLEUS

- coagulatus, 17-417 [Col.]: Clear Creek canon.

MACROTYLUS

- affiguratus, 46-50 Col.: North Park, Steamboat Spring.
 angularis, 44-272 Cal.; L. Cal.: San Bernardino, Cape San Lucas.
 lineolatus, 44-270 Cal.; L. Cal.
 regalis, 33-86 [Cal.]: vic. Los Angeles.
 tristis, 33-87 Cal.: vic. Los Angeles.
 verticalis, 44-272 L. Cal.: Cape San Lucas; Cal.: San Diego.
 vestitus, 33-88 Cal.: near Los Angeles.

MAURODACTYLUS

- angulatus, 46-53 Col.: Steamboat Springs.
 consors, 46-53 Col.: Leadville.

MEGACOELUM

- catulum, 44-257 L. Cal.: near Cape San Lucas; S. Tex.; Pa.: York Co.
 grossum, 27-70 Md.; Pa.; Mass.; Tex.; Fla.
 mundum, 27-71 E. Geo.; Fla.: near Enterprise.
 pusillum, 27-71 Ariz.

MEGALOCEROEA

- debilis, 13-408 Col.: Berthoud Pass; Mont.; [Wy.]: Cheyenne.
 rubicunda, 13-409 Col.

MELINNA, 27-68

- elongata, 44-257 L. Cal.: Cape San Lucas, Calmali mines; Tex.; Ariz.;
 Cal.; Fla.

MELINNA

fasciata, 17-421 (Megacoelum) Col.: near Manitou; Tex.; Mo.; Ill.: near Rock Island; Pa.: York Co.; Md.

minuta, 41-713 St. Vincent.

modesta, 27-69 [Md.]: vic. Baltimore; Pa.; N. Y.: Lancaster, Washington Co.; E. Mass.; Can.: Grimsby; Ill.: near Rock Island.

pumila, 27-69 Md.; Ill.: near Chicago, Rock Island; Tex.: Waco; E. Mass.

MIMOCEPS, 33-83

gracilis, 33-85 Wis.; N. Y.: Buffalo; Ont.: Muskoka

insignis, 33-84 Ill.: near Chicago, Galesburg.

MIRIS

instabilis, 15-836, pl. 42 f. 9; 16-316, pl. 20, f. 27 Col.: Roaring Fork.

MYRMECOPSIS, 44-276

inflatus, 44-277 —

NABIDEA, 18-397 = *Collaria* Prov. (1874)

NEOBOROPS, 46-36

vigilax, 46-36 Col.: Steamboat Springs; Ariz.

NEOBORUS

rubeculus, 46-37 Col.: Steamboat Springs; N. Ill.; Mich.

ONCOTYLUS

guttulatus, 44-269 L. Cal.: San Julio, El Rosario.

longipennis, 46-48 Col.: Gore Pass, Steamboat Springs, Rabbit Ears Pass.

puberus, 44-270 Cal.

repertus, 46-49 Col.: Steamboat Springs, W. of Ft. Collins; Cal.: Los Angeles.

sericatus, 46-49 Col.: Steamboat Springs, Colorado Springs.

ORECTODERUS, 16-319

amoenus, 16, pl. 20, f. 19; 17-426 Col.: vic. Denver; N. Mex.; Tex.; Ill.¹

longicollis, 46-47 Col.: Steamboat Springs.

obliquus, 16-320 Col.; Mass.; Conn.; Pa.; L. Can.; Ill.; Kans.; Wash.

ORTHOPS

scutellatus, 17-420 pl. 27, f. 7 [Col.]: Clear Creek canon.

ORTHOTYLUS

viridicatus, 46-48 Col.: North Park, Dolores, Trinidad, Estes Park, Steamboat Springs, vic. Denver; N. Mex.

¹ Mr. E. P. Van Duzee has called my attention to the following paper omitted from the list given on p. 31-34: — Report upon the Hemiptera collected during the years 1874 and 1875. Ann. rept. geog. surv. W. 100 mer. Appendix N N Ann. rept. Chief Engineers for 1877, 1877, p. 1322-1334.

Orectoderus amoenus, p. 1328, *Hebrus sobrinus* p. 1330, and *Telamona pyramidata*, p. 1333 S. Cal., are described as new; the first and second of these were previously described in 17.

PAMEROCORIS, 17-424

anthocoroides, 17-425 Col.: vic. Denver; Can.: Grimsby; Md.: near
Baltimore; E. Mass.

PAMILLIA, 26-31

behrensii, 26-31. [Cal.]: vic. San Francisco.

PERITROPIS, 34-121

saldaeformis, 34-122 [D. C.]: near Washington; N. Ill.: near Chicago.

PHYTOCORIS

inops, 17-413; 18-402 [Col.]: Beaver Brook gulch; E. Mass.; L. Can.;
R. I.; N. J.; Tex.; Md.: vic. Baltimore.

interspersus, 46-32 Col.: Cheyenne cañon, Colorado Springs.

ramosus, 44-252 L. Cal.: Cape San Lucas; Cal.: San Bernardino, Los
Angeles; Ariz.: Flagstaff.

PILOPHORUS

amoenus, 26-30 Md.

gracilis, 46-42 Col.: Colorado Springs; Md.; Va.; N. J.; Mass.

walshii, 26-30 Ill.: vic. Rock Island.

PLAGIOGNATHUS

annulatus, 41-51 Col.: Steamboat Springs; N. Ill.; C. W.; N. Engl.

fraternus, 46-51 Col.: Steamboat Springs.

obscurus, 13-418 Me.; Mass.; N. Y.; N. J.; Pa.; Ill.; Mich.; Col.; Md.

politus, 46-52 Col.: Ft. Collins; N. Y.: near Buffalo.

POECILOCAPSUS

marmoratus, 44-263 L. Cal.: San José del Cabo; Tex.; Md.

POECILOSCYTUS

diffusus, 13-415 Ut.: Ogden.

intermedius, 44-261 L. Cal.: San Quintin, El Rosario; Cal.; Ariz.

obscurus, 41-715 St. Vincent; Cuba; Hayti: Grand Anse; S. Fla.;
Mex.; Jamaica; Brazil.

sericeus, 17-422 [Col.]: Colorado Springs; Quebec to S. Fla., W. into
Tex. and N. Mex.; Md.: York Co.; Geo.; N. C. = basalis Reut. (1875).

PSALLUS

biguttulatus, 44-275 L. Cal.: Calmalli mines, El Paraiso, Margarita
island.

delicatus, 26-34 Geo.

politus, 43-195 Grenada.

RESTHENIA

confraterna, 13-411; 18-399 Col.; Wis.; Ill.; Pa.; Md.

RHINOCAPSUS, 33-81

van duzeii, 33-82 N. Y.: Coldon; Md.; Va.; N. C.; Fla.

- STHENAROPS, 17-418
 malina, 17-419 E. Mass.; N. Y.; Pa.; Md.; Ohio; S. Ill.; Tex.; B. Amer.; Mo.
- STHENARUS
 rubidus, 46-41 Col.: Colorado Springs; Ill.; N. Y.: Lancaster; Cuba; San Domingo; Tex.; Fla.
- STIPHROSOMA
 atrata, 44-268 L. Cal.: San Julio; Cal.: Los Angeles, near San Bernardino.
 croceipes, 39-373 Cal.: Los Angeles; Ut.: Amer. Fork.
 robusta, 46-45 Col.: Steamboat Springs; Tex.; Mex.
- SYSTRATIOTUS
 venaticus, 13-414 (Poeciloscytus) Col.; Cal.; Ill.; Mass.
- TELEORHINUS, 33-74
 cyaneus, 33-75 [Cal.]: Los Angeles.
- TERATOCORIS
 discolor, 27-68 [Mo.]: near St. Louis; [Mass.]: vic. Boston; [Col.]: near Garland.
 herbaticus, 27-67 Lab.: vic. Ungava Bay, vic. Hopedale.
 longicornis, 46-29 Col.: Steamboat Springs.
- THYRILLUS, 44-266
 brachycerus, 13-416 (Rhopalotomus) Col.: Weld Co.
 pacificus, 13-415 (Rhopalotomus) Mont.; Id.: near Snake river; Cal.
- TINICEPHALUS
 simplex, 13-417 Col.
- TROPIDOSTEPTES, 18-404
 cardinalis, 18-404 Mass.: Andover; [Ill.]: Chicago; Conn.
- TUPONIA
 subnitida, 46-45 Col.: Steamboat Springs.
- XENETUS
 regalis, 33-80 Fla.; Pa.: York Co.; C. Ill.; [Md.]: vic. Baltimore; Tex.: Waco.
 scutellatus, 33-81 Ill.; Mass.; N. H.; Conn.; Can.: Ontario; Md.; N. C.; Va.
- CERATOCOMBIDAE.
- CERATOCOMBUS
 minutus, 43-196 Grenada.
- CRYPTOSTEMMA
 fasciatum, 43-197 Grenada.

OMMATIDES, 42-159
 insignis, 42-159 St. Vincent.

ONCERODES, 42-159
 robusta, 42-160 St. Vincent.

SCHIZOPTERA
 capitata, 42-158 St. Vincent.
 scutellata, 42-157 St. Vincent

ANTHOCORIDAE.

CARDIASTETHUS
 elegans, 43-201 Grenada.

HYMENOCORIS, 38-181
 formicina, 38-182 Cal.: vic. Los Angeles.

HYMENODECTES, 38-180
 culicis, 38-181 S. Fla.; Cuba; Ariz.; D. C.; Ut.: vic. Great Salt lake.

LASIOCHILUS
 fraternus, 43-199 Grenada.
 nebulosus, 43-200 Grenada.
 pictus, 42-157 St. Vincent; Grenada.
 varicolor, 43-198 Grenada.

TINGITIDAE.

ACANTHOCHILA
 exquisita, 31-143 Fla.: Cape Florida.

AGRAMMODES 46-56
 costatus, 46-56 Col.: Estes Park.

CORYTHAICA
 carinata, 43-203 Grenada.

CORYTHUCA
 caelata, 44-279 S. Cal.; L. Cal.: Cape San Lucas.
 hispida, 44-279 L. Cal.: San Esteban.
 incurvata, 44-280 Cal.; L. Cal.; Mex.; Ariz.

GARGAPHIA
 opacula, 40-263 Cal.: Argus mts.

MONANTHIA
 labeculata, 40-264 Cal.: Argus mts.

PHYLLONTOCHILA
 debile, 47-265 Japan.

TINGIS

marmorata, 18-415 N. C.

TYPONOTUS, 41-716

planaris, 41-716 St. Vincent.

ARADIDAE.

ANEURUS

inconstans, 10-105 : 18-420 Mass.

simplex, 10-106 : 18-421 N. Engl.

ARADUS

ampliatius, 16-321 Cal.

debilis, 16-322 Vanc. Island.

inornatus, 16-323 Neb. ; B. Col. ; Wis. ; Ill. ; Pa. ; Md.

marginatus, 39-381 Ut. : Park City, Alta.

robustus, 10-104 —

BRACHYRHYNCHUS

simplex, 16-323 Tex. ; Ind. Terr. ; Cuba ; Mo. ; Fla. ; N. Engl. ; Pa. ;
Ill. ; Md.

PHYMATIDAE

PHYMATA

angulata, 43-204 Grenada.

NABIDAE.

ALLOEORHYNCHUS

armatus, 43-207 Grenada.

APHELONOTUS, 43-208

simplicis, 43-209 Grenada.

CORISCUS

assimilis, 18-422 Can. ; Me. ; Md.

signatus, 43-205 Grenada.

METATROPIPHORUS

tabidus, 47-268 Japan.

VELIDIA, 43-206

berytoides, 43-207 Grenada.